CLAIMS

[1] A method for producing an anisotropic film, the method comprising: disposing a film containing a photoreactive material on a polarizing element;

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irradiating the film containing the photoreactive material with light, through the polarizing element so as to provide an anisotropy to the film containing the photoreactive material.

- [2] The production method according to claim 1, wherein the film containing the photoreactive material is formed by coating on the polarizing element a solution or a melt of a photoreactive material and by solidifying the solution or the melt.
 - [3] The production method according to claim 1 or 2, wherein the photoreactive material has reactivity to light having a wavelength in a range of 1 nm to 780 nm.
 - [4] The production method according to any of claims 1 to 3, wherein the wavelength of the radiated light is in a range of 200 nm to 400 nm.
 - [5] The production method according to any of claims 1 to 4, wherein the wavelength of the radiated light is in a range of 290 nm to 400 nm.
- 20 [6] The production method according to any of claims 1 to 5, wherein the wavelength of the radiated light is 310 nm.
 - [7] The production method according to any of claims 1 to 6, wherein the polarizing element is at least one element selected from the group consisting of a prism polarizer, a polarizing filter and a polarizer.
- 25 [8] The production method according to any of claims 1 to 7, wherein the film containing the photoreactive material is formed directly on the polarizing element.
 - [9] The production method according to any of claims 1 to 7, wherein the film containing the photoreactive material is formed on the polarizing element with interposition of a protective layer.

- [10] The production method according to any of claims 1 to 9, wherein the film containing the photoreactive material further contains a liquid crystalline compound.
- [11] The production method according to claim 10, wherein the liquid crystalline compound is at least one liquid crystalline compound selected from the group consisting of a liquid crystalline monomer, a liquid crystalline oligomer and a liquid crystalline polymer.
 - [12] The production method according to any of claims 1 to 11, wherein the film containing the photoreactive material further contains a non-liquid crystalline polymer.
 - [13] The production method according to any of claims 1 to 12, wherein the photoreactive material is at least one material selected from the group consisting of a liquid crystalline monomer having a photoreactive site, a liquid crystalline oligomer having a photoreactive site, and a liquid crystalline polymer having a photoreactive site.
 - [14] An anisotropic film produced by any of the production methods according to claims 1 to 13.
 - [15] The anisotropic film according to claim 14, which comprises a liquid crystalline alignment film.
- 20 [16] The anisotropic film according to claim 14, which comprises an optically anisotropic film.
 - [17] An optical film comprising the anisotropic film according to claim 14.
 - [18] A liquid crystal panel comprising a liquid crystal cell and an optical film arranged on at least one surface of the liquid crystal cell, wherein the optical film is the optical film according to claim 17.
 - [19] A liquid crystal display comprising a liquid crystal panel, wherein the liquid crystal panel is the liquid crystal panel according to claim 18.
 - [20] An image display device comprising the optical film according to claim 17.

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